

CA3 ONHW Q90

82 U6503

v.3

Pamphlet

Box

URBAN/MUNICIPAL

Laboratory reports on  
the Upper Ottawa Street  
Landfill Site

Reference 11







Clinician <u>CAB ONHW 990</u>	Owner A. Koven	Hosp. No.
Address <u>82 U6503 V.3</u>	Address 42 James St. S. Suite 33 Hamilton, Ont. L8P 2Y4	Phone
Reference <u>23 //</u>	Species raccoon	Sex male
	Breed	Color
	Birth date/Age	Wt. 10 Kg
	Name/I.D. A	
Type of Animal Operation: Feed		
Housing :		
Affected Animals: Age:	No. sick/No. at risk	No. dead:

## PROBLEMS:

Upper Ottawa St. Landfill Study

APR 30 1987

## RELEVANT HISTORY:

Trapped as part of survey

GOVERNMENT DOCUMENTS

SPECIMENS SUBMITTED frozen carcass TIME OF DEATH: EUTHANIZED: shot

NECROPSY COMMENCED 19 November 82 body weight 10 kg

IDENTIFICATION: A

## EXTERNAL FINDINGS:

Normal

BODY CONDITION: hydration )  
fat stores )all good  
muscle mass )

## INTERNAL FINDINGS:

There was contusion and haemorrhage in the cervical area associated with gunshot. The liver had about 30 1-4 mm pale foci in the interstitium on capsules and cut surfaces. All other body systems unremarkable. Gastro intestinal tract empty.

## CLINICAL PROBLEMS ANSWERED AT NECROPSY:

The liver lesions are probably due to migration of larval Baylisascaris procyonis, the raccoon ascarid worm, and are incidental and common. Tissues have been collected for histology and residue assay. Final report to follow.

TENTATIVE DIAGNOSIS: Shot as part of survey  
Incidental interstitial hepatitis

IKB/sc

November 22, 1982

HISTOPATHOLOGY: There were no visible lesions in the kidney, small intestine or heart.

Liver: Areas of pallor appear to have been related to areas of putrefaction associated with the postmortem proliferation of Clostridial bacteria. No evidence of parasite migration is present in the section examined.

Lung: Scattered perivascular aggregates of eosinophils are present. Macrophages around bronchioles contain brown particulate matter.

Mesenteric lymph node: Several foci of necrosis containing eosinophils and surrounded by similar cells is present.

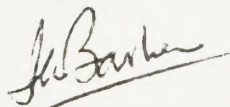


FINAL DIAGNOSIS: CHRONIC EOSINOPHILIC MESENTERIC LYMPHADENITIS  
MILD EOSINOPHILIC PNEUMONITIS

COMMENT: The eosinophil aggregates in lung and lymph node probably reflect the migration through these organs of larvae of the ascarid worm of raccoons originally suspected as the cause of the white spots in the liver. These turned out to be incidental areas of postmortem tissue breakdown caused by invading bacteria, and are of no significance. The brown particles in cells in the lungs reflect the inhalation of Hamilton smog, but would be of no functional significance. Results of assays of tissue chemical residues will be forwarded directly by Dr. Frank.

82.12.13

/jr



I.K. BARKER, D.V.M.





Clinician	Owner A. Koven	Hosp. No.
Address	Address Upper Ottawa Landfill Phone Site Study 42 James St. South Hamilton, Ontario L8P 2Y4	
	Species Raccoon	Sex female
	Breed	Color
	Birth date/Age	Wt. 8 Kg
	Name/I.D. B	
Type of Animal Operation:		
Feed	Housing :	
Affected Animals: Age:	No. sick/No. at risk	No. dead:

## PROBLEMS:

Upper Ottawa Street landfill Study

## RELEVANT HISTORY:

Trapped as part of survey

BODY CONDITION: hydration  
fat stores  
muscle mass

## INTERNAL FINDINGS:

There was contusion and haemorrhage of the anterior cervical region associated with gunshot. Several firm nodules up to 1 cm in diameter are in the lung parenchyma - not distinct and not demarcated. There were interstitial pale foci scattered throughout the liver.

## CLINICAL PROBLEMS ANSWERED AT NECROPSY:

The liver lesions are probably due to migration of larvae Baylisascaris procyonis, the raccoon ascarid worm, and are incidental and common. Tissues have been collected for histology and residue assay. Final report to follow.

TENTATIVE DIAGNOSIS: Shot as part of survey  
Incidental interstitial hepatitis

## TESTS REQUESTED: Toxicology

IKB/sc

November 22, 1982

HISTOPATHOLOGY: There were no visible lesions in the mesenteric lymph node, spleen, adrenal, heart.

Liver: There is interstitial fibrosis and focal aggregates of eosinophils and ceroid-laden macrophages in some areas.

Lung: Focal perivascular infiltrates of eosinophils and peribronchiolar accumulation of pigment-laden macrophages are present.

Esophagus: Eosinophils are aggregated around dilated esophageal gland.

Kidney: Foci of mononuclear and eosinophil infiltration are present in the kidney.

FINAL DIAGNOSIS: CHRONIC EOSINOPHILIC INTERSTITIAL HEPATITIS, PNEUMONITIS AND NEPHRITIS

COMMENTS: See W605-82 - all lesions are incidental and associated with migrating parasitic larvae.

82.12.13

/jr

I.K. BARKER, D.V.M.





Clinician	Owner A. Koven	Hosp. No.
Address	Address Upper Ottawa Street	Phone
	Landfill Site Study	
	42 James Street S.	
	Species Hamilton, Ontario L8P 2Y4	
	gray squirrel	Sex male
	Breed	Color
	Birth date/Age	Wt. 550 gm
	Name/I.D. D	

Type of Animal Operation:	Housing :	
Feed		
Affected Animals: Age:	No. sick/No. at risk	No. dead:

## PROBLEMS:

Upper Ottawa St. Landfill Study

## RELEVANT HISTORY:

Trapped as part of survey

SPECIMENS SUBMITTED frozen carcass TIME OF DEATH

## INTERNAL FINDINGS:

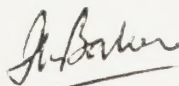
Contained haemorrhage into abdominal cavity. No other lesions.

TENTATIVE DIAGNOSIS: 1. Trapped  
2. No other lesions

TESTS REQUIRED: Toxicology (brain, liver, muscle)

IKB/sc

November 22, 1982

FINAL DIAGNOSIS: TRAPPED FOR SURVEY  
NORMAL ANIMALCOMMENT: Results of pesticide assays will be forwarded directly by Dr. Frank.  
82.12.13  
/jr

I. K. BARKER, DVM







Clinician	Owner A. Koven	Hosp. No.
Address	Address Upper Ottawa Street	Phone
	Landfill Site Study	
	42 James St. South, Suite 33	
	Hamilton, Ontario	L8P 2Y4
	Species gray squirrel	Sex male
	Breed	Color
	Birth date/Age	Wt. 540 gms
	Name/I.D. E	

Type of Animal Operation:	Housing :	
Feed		
Affected Animals: Age:	No. sick/No. at risk	No. dead:

PROBLEMS:  
Upper Ottawa Street Landfill Study

RELEVANT HISTORY:  
Trapped as part of survey

EXTERNAL FINDINGS:  
Normal

BODY CONDITION: hydration      )  
fat stores      )all good  
muscle mass      )

INTERNAL FINDINGS:  
Contusion and haemorrhage and cervical and anterior thoracic area. No other lesions.

TENTATIVE DIAGNOSIS: 1. Trapped  
2. No other lesions

TESTS REQUESTED: Toxicology (brain, liver, muscle)

IKB/sc  
November 22, 1982

FINAL DIAGNOSIS: TRAPPED FOR SURVEY  
NORMAL ANIMALS

COMMENT: See W607-82  
82.12.13  
/jr

  
I. K. BARKER, DVM







Clinician	Owner A. Koven	Hosp. No.
Address	Address Upper Ottawa Landfill Phone Site Study 42 James St. South, Suite 33 Hamilton, Ontario L8P 2Y4	
	Species Cottontail	Sex male
	Breed rabbit	Color
	Birth date/Age	Wt. Kg
	Name/I.D. C	
Type of Animal Operation:		
Feed	Housing :	
Affected Animals: Age:	No. sick/No. at risk	No. dead:

## PROBLEMS:

Upper Ottawa Street Landfill Study

## RELEVANT HISTORY:

Trapped aspart of survey

## INTERNAL FINDINGS:

Contusion and haemorrhage associated with skull fracture. Old fibrous scars in liver associated with migration of Cysticercus pisiformis, several of which were in the mesentery.

## CLINICAL PROBLEMS ANSWERED AT NECROPSY:

Cysticercus pisiformis is the larval stage of a tapeworm of canids. Common incidental finding in cottontail rabbits.

## TENTATIVE DIAGNOSIS:

1. Trapped for survey
2. Incidental parasitic hepatitis (Cysticercus pisiformis)

ILB/sc

November 22, 1982

## FINAL DIAGNOSIS: TRAPPED FOR SURVEY

INCIDENTAL PARASITIC HEPATITIS (CYSTICERCUS PISIFORMIS)  
OTHERWISE NORMAL ANIMAL

COMMENT: See W607-82.

82.12.13

/jr



I. K. BARKER, DVM









Ontario

PROVINCIAL PESTICIDE LABORATORY-AGRICULTURAL LABORATORY SERVICES

Building #43, McGillivray St., University of Guelph, Guelph, Ontario, N1G 2W1

Tel: (519) 824-4120 ext. 2449

WILDLIFE TISSUES FOR OP-PC-PCB

PESTICIDE RESIDUE ANALYSIS REPORT-No 1767 OVC-Path.

Sender Dr. Ian Barker, OVC, Pathology

Date Received Nov. 22/82

Owner

Address

Lab No.	Sample Description	Content in					samples as rec'd (µg/g)				
		O.P.I.	HEPT.EPOX.	DIELDRIN	pp'DDE	pp'DDT	PCB				
11102	W605-82 Liver A- Raccoon	ND	0.005	0.004	0.001	0.002	ND (<0.05)				
11103	" Muscle A	ND	ND(<0.002)	ND(<0.002)	0.001	0.005	ND				
11104	" Brain A	ND	ND	ND	ND(<0.001)	ND	ND				
11105	W606-82 Liver B	ND	0.004	0.005	0.002	0.003	ND				
11106	" Muscle B	ND	ND	ND	0.002	0.010	ND				
11107	" Brain B	ND	ND	ND	ND	ND	ND				
11108	W607-82 Liver D - Gray Squirrel	ND	ND	0.008	ND	ND	ND				
11109	" Muscle D	ND	ND	ND	ND	ND	ND				
11110	" Brain D	ND	ND	ND	ND	ND	ND				
11111	W608-82 Liver E	ND	0.008	0.023	0.001	ND	ND				
11112	" Muscle E	ND	ND	ND	ND	ND	ND				
11113	" Brain E	ND	ND	ND	ND	ND	ND				
11114	W609-82 Liver C - Rabbit	ND	0.009	0.033	0.001	ND	ND				
11115	" Muscle C	ND	ND	ND	ND	ND	ND				
11116	" Brain C	ND	ND	ND	ND	ND	ND				

Background-site

Recommendations/Analyst's Comments

Upper Ottawa Street Landfill Study

ND - not detected to limits of detection

Date February 7, 1983

Copies to:

Upper Ottawa St. Landfill Study

ANALYST *[Signature]*

Anne Koven, Research Director,

42 James St. South, Suite 33,

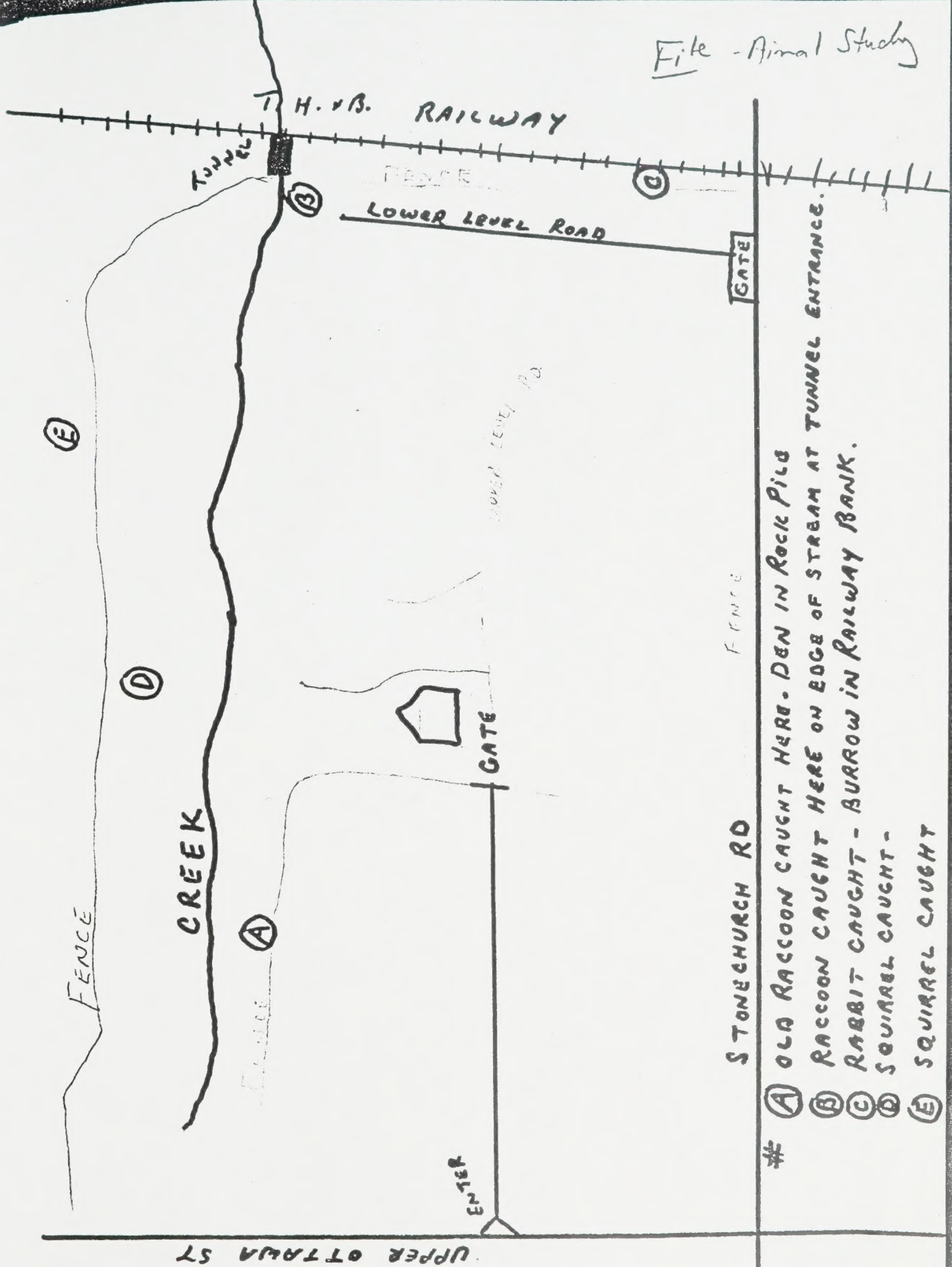
H. E. Braun, J. Rasper

Hamilton, L8P 2Y4

DIRECTOR - R. FRANK





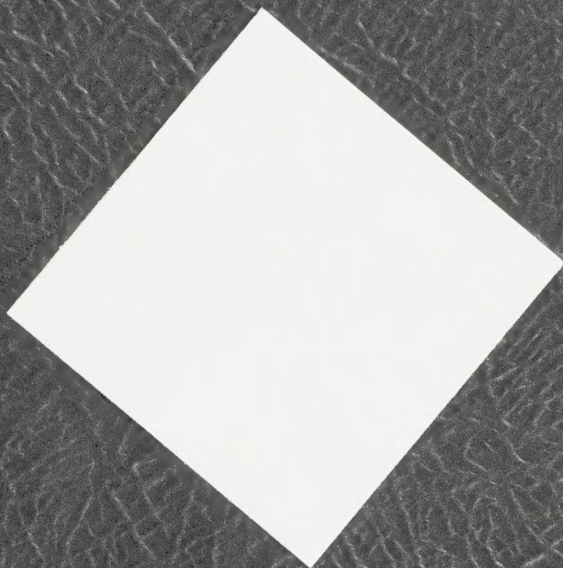


#

- (A) OLD RACCOON CAUGHT HERE - DEN IN ROCK PILE
- (B) RACCOON CAUGHT HERE ON EDGE OF STREAM AT TUNNEL ENTRANCE.
- (C) RABBIT CAUGHT - BURROW IN RAILWAY BANK.
- (D) SQUIRREL CAUGHT -
- (E) SQUIRREL CAUGHT







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